

WHAT IS CLAIMED IS:

- 1           1.     A printing system comprising:  
2                 an ink dispenser configured to deposit ink upon a print medium; and  
3                 a condenser configured to condense vapor into a condensate;  
4                 a receptacle configured to collect the condensate, wherein the receptacle is  
5                 perforated to permit a portion of the condensate to evaporate.
- 1           2.     The system of Claim 1, wherein the condenser includes:  
2                 a conduit having a conduit interior; and  
3                 a coolant source connected to the conduit and configured to supply coolant  
4                 into the conduit interior at a temperature so as to condense the vapor along the conduit.
- 1           3.     The system of Claim 2, wherein the coolant source is configured to supply a  
2                 liquid at a temperature so as to condense the vapor along the conduit.
- 1           4.     The system of Claim 2, wherein the coolant source is configured to supply a  
2                 gas at a temperature so as to condense the vapor along the conduit.
- 1           5.     The system of Claim 2, wherein the condenser includes a fin thermally  
2                 coupled to the conduit.
- 1           6.     The system of Claim 1, wherein the receptacle includes an inlet and means for  
2                 automatically occluding the inlet when disconnected from a remainder of the printing system.
- 1           7.     The system of Claim 2, wherein the coolant source includes:  
2                 a pump configured to move fluid; and  
3                 a cooling device configured to cool the fluid to the temperature.
- 1           8.     The system of Claim 7, wherein the cooling device includes a compressor.
- 1           9.     The system of Claim 1, wherein the condenser includes a thermoelectric  
2                 module.
- 1           10.    The system of Claim 1 including a blower configured to move the vapor along  
2                 the condenser.

- 1           11.    The system of Claim 10 including:  
2                   a duct proximate the condenser and having an exhaust opening; and  
3                   a filter between the condenser and the exhaust opening.
- 1           12.    The system of Claim 1, wherein the receptacle includes a condensate-  
2   absorbing material within the receptacle.
- 1           13.    The system of Claim 12, wherein the condensate-absorbing material is  
2   removable from the receptacle.
- 1           14.    The system of Claim 12, wherein the condensate-absorbing material comprises  
2   a foam.
- 1           15.    The system of Claim 1, wherein the receptacle includes:  
2                   an inlet through which the condensate flows into the receptacle; and  
3                   a closing portion movable between an inlet open position and an inlet closing  
4                   position.
- 1           16.    The system of Claim 15, wherein the receptacle is removably coupled to a  
2   remainder of the system.
- 1           17.    The system of Claim 1, wherein the receptacle includes a fill indicator  
2   configured to indicate a volume of the receptacle that is filled with condensate.
- 1           18.    The system of Claim 1, wherein the ink dispenser includes an inkjet printhead.
- 1           19.    The system of Claim 1 including a media handling system configured to  
2   transport individual sheets of material relative to the ink dispenser.
- 1           20.    The system of Claim 19, wherein the media handling system is configured to  
2   handle sheets of material having a minor dimension less than 9 inches.
- 1           21.    The system of Claim 19, wherein the handling system is configured to stack  
2   the individual printed upon sheets.
- 1           22.    The system of Claim 1 including a heater configured to heat the deposited ink,  
2   whereby vapor is produced.

1           23.    A condensate storage system comprising:  
2                   a receptacle having an inlet; and  
3                   a condensate-absorbing member within the receptacle.

1           24.    The system of Claim 23, wherein the receptacle is perforate to permit a portion  
2 of the condensate to evaporate.

1           25.    The system of Claim 23, wherein the receptacle and the condensate-absorbing  
2 member are configured to permit removal of the absorbing member from the receptacle.

1           26.    The system of Claim 23, wherein the system is configured for use in a printing  
2 system having an outer housing and wherein the receptacle is configured to be removably  
3 received within the housing.

1           27.    A printing system comprising:  
2                   means for depositing ink upon a print medium;  
3                   means for condensing vapor to form a condensate; and  
4                   means for storing the condensate, wherein the means for storing includes an  
5 inlet and means for automatically occluding the inlet when disconnected from  
6 a remainder of the printing system.  
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1           28.    The system of Claim 27 including means for storing includes means for  
2 evaporating a portion of the condensate while the condensate is being stored.

1           29.    The system of Claim 27 including means for heating the deposited ink,  
2 whereby vapor is formed.

1           30.    A method of printing ink upon a medium, the method comprising:  
2                   depositing ink upon the medium;  
3                   heating the deposited ink to create a vapor;  
4                   condensing the vapor into a condensate;  
5                   collecting the condensate in a first receptacle; and  
6                   absorbing at least a portion of the condensate into a first absorption member  
7 within the first receptacle.

1           31.     The method of Claim 30 including circulating a fluid through a thermally  
2     conductive conduit having a condensing surface to cool the condensing surface to a  
3     temperature to condense the vapor.

1           32.     The method of Claim 30 including powering a thermoelectric module having a  
2     cool portion and a hot portion, wherein the cool portion is thermally coupled to a condensing  
3     surface along which the vapor is condensed.

1           33.     The method of Claim 40 including evaporating a portion of the condensate  
2     within the first receptacle.

1           34.     The method of Claim 30 including replacing the first absorption member with  
2     a second absorption member.

1           35.     The method of Claim 30 including replacing the first receptacle with a second  
2     receptacle when at least a portion of the first receptacle is filled with condensate.

1           36.     The method of Claim 30 including sending the first receptacle at least partially  
2     filled with the condensate to a collection entity for recycling or disposal of the condensate.

1           37.     The method of Claim 30 including sensing an amount of condensate within the  
2     first receptacle.

1           38.     The method of Claim 30 including directing the vapor across a condensing  
2     surface and through a filter.

1           39.     The method of Claim 30, wherein the step of depositing ink includes ejecting  
2     ink from an inkjet printhead upon the medium.